

Claims

1. Device for transporting a load, comprising a chassis
5 having a lower end and an upper end, the latter having a device for its support on the ground comprising at least one element bearing at least one element for support on the ground, said chassis being connectable to a user by means of an attaching device,
10 **wherein** said chassis is composed of a lower portion and an upper portion forming, as seen in a plan view, at least approximately the shape of a V, wherein the legs of the V of each of said portions converge to join or cross each other in an area where they are connected to each other, on one
15 hand, and on the other hand, extend to open at least over a certain distance, opposite each other, all or part of said load being intended to be placed in said area, and wherein the ratio H_1/H_2 of the heights of the V of the lower portion and the upper portion, respectively, is equal to a defined
20 value N.
2. The device of claim 1, wherein said chassis is advantageously in the general form of an asymmetrical X with respect to a plane P_v extending orthogonally to said heights
25 H_1 , H_2 and passing through the crossing point of said X, and wherein the ratio N is advantageously comprised within an interval of values [0.25 - 0.35].
3. The device of claim 1, wherein said chassis comprises
30 two longitudinal girders, preferably tubular ones, crossing each other while extending one above or underneath the other, said girders being interconnected by a fastening member at the location of their crossing, and wherein means

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are provided to ensure a parallelism between the axis of the supporting element of said support device, which is arranged at the ends of the legs of the V of said lower portion, on one hand, and on the other hand, a straight line connecting
5 the ends of the legs of the V of said upper portion.

4. The device of claim 3, wherein said means ensuring said parallelism are formed of at least one brace.

10 5. The device of claim 1, wherein said support element of said supporting device is a shaft connecting the ends of the V of said lower portion, wherein said shaft is disposed either in an alternating manner, extending underneath and above said ends, respectively, or in a uniform manner,
15 extending either underneath or above the latter.

6. The device of claim 1, wherein said support element of said supporting device is formed by two shaft portions on a common axis that are projecting on either side of the ends
20 of the V formed by said lower portion, said shaft portions being disposed in an alternating manner, extending underneath and above said ends, respectively, or in a uniform manner, extending either underneath or above the latter.

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7. The device of claim 1, wherein said element for support on the ground is disposed either between the legs of the V of said lower portion, or on either side and on the outside of said legs, and wherein said support element is
30 advantageously formed of at least one wheel or at least one ski.

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8. The device of claim 1, wherein the lengths of said two girders are adjustable and variable, the legs of the V of said upper portion comprising telescopic members.

5 9. The device of claim 1, wherein said chassis comprises at least one, preferably two cross members disposed on both sides of the convergence or crossing location of said lower and upper portions.

10 10. The device of claim 9, comprising means, advantageously at least one brace, for ensuring a parallelism of the axes of said cross members.

11. The device of claim 9, wherein said cross members
15 serve a double function of reinforcing the chassis and of demarcating a privileged area of a seat for the transported load, straps being possibly provided for securing the same.

12. The device of claim 1, comprising a rack attached to
20 said girders and covering the crossing area of the same.

13. The device of claim 9, comprising an additional protecting and absorbing device arranged underneath the girders and preferably at the height of the lower cross
25 member, said protecting device advantageously comprising a roller freewheeling on a shaft.

14. An attaching device comprising a belt and intended to be worn by an user, said device being provided with means
30 for connecting it to a device for transporting a load of the kind as defined in claim 1, wherein said means allow said transport device a liberty of movement of a limited amplitude in the course and in the axis of walking.

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15. The attaching device of claim 14, wherein said means
are formed of pendant lateral straps whose upper ends are
connected to said belt and to which said transport device
5 may be suspended.

16. The attaching device of claim 15, wherein said belt is
provided with means allowing an adjustment of said straps in
determined positions.

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17. The attaching device of claim 16, wherein said
adjusting means are composed of two buckles that are
preferably disposed one on the front side and the other one
at the back of the user, said buckles simultaneously
15 providing a function in tensioning said belt around the
waist of the latter.

18. The attaching device of claim 15, wherein said pulling
straps comprise means for adjusting the anchorage point,
20 thereby allowing to secure the carriage at a selected
distance from said belt.

19. The attaching device of claim 18, wherein said means
for adjusting the anchorage point are discrete, each strap
25 preferably comprising a series of eyelets for receiving a
connecting means such as a spring hook.

20. The attaching device of claim 18, wherein said means
for adjusting the anchorage point are continuous, each of
30 said straps comprising a loop for adjusting the length
thereof and for maintaining that adjustment, the lower end
of said strap forming a lug for receiving a connecting means
such as a spring hook.

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21. The attaching device of claim 14, wherein suspenders are connected to said belt so as to form a harness therewith.

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22. The attaching device of claim 21, wherein each of the straps of said suspenders comprises at least one means for adjustment to the body and for tensioning, preferably two of them, one at the front, the other one at the back, and
10 wherein the right-hand strap crosses the left-hand strap at the back.

23. The attaching device of claim 21, wherein said suspender straps are retained at the front by a chest-strap.
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